



# Alaska Health Care Commission

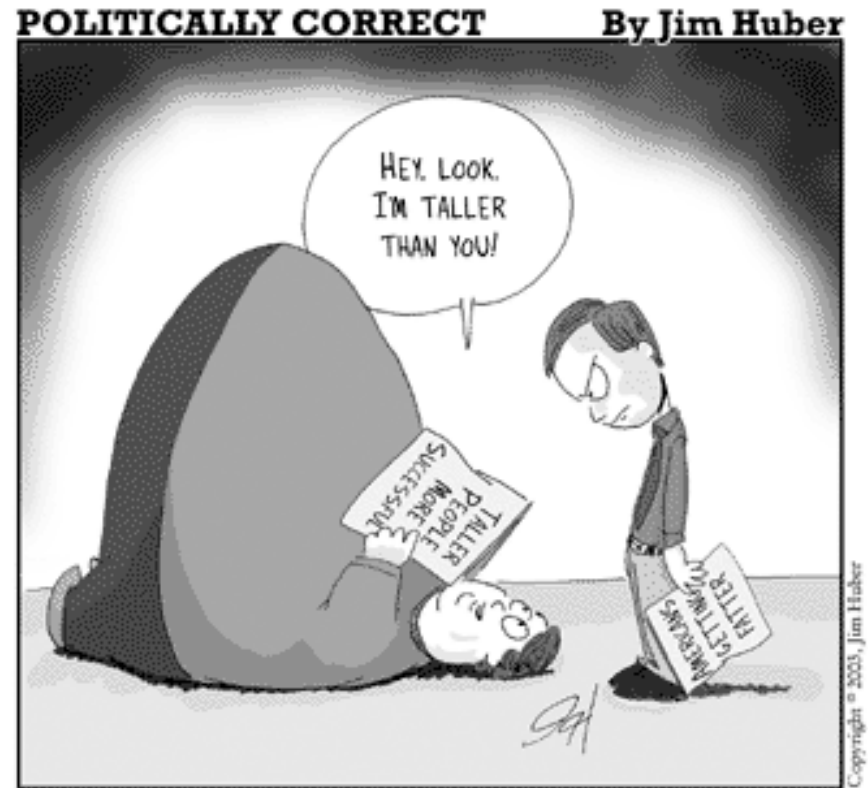
Dr. Ward B. Hurlburt, M.D., MPH

Chief Medical Officer

Director, Alaska Division of Public Health

# Public Health Priorities

- Priorities/Problems
  - Overweight/Obesity
  - Tobacco Use
  - Immunizations
  - Unintentional Injuries

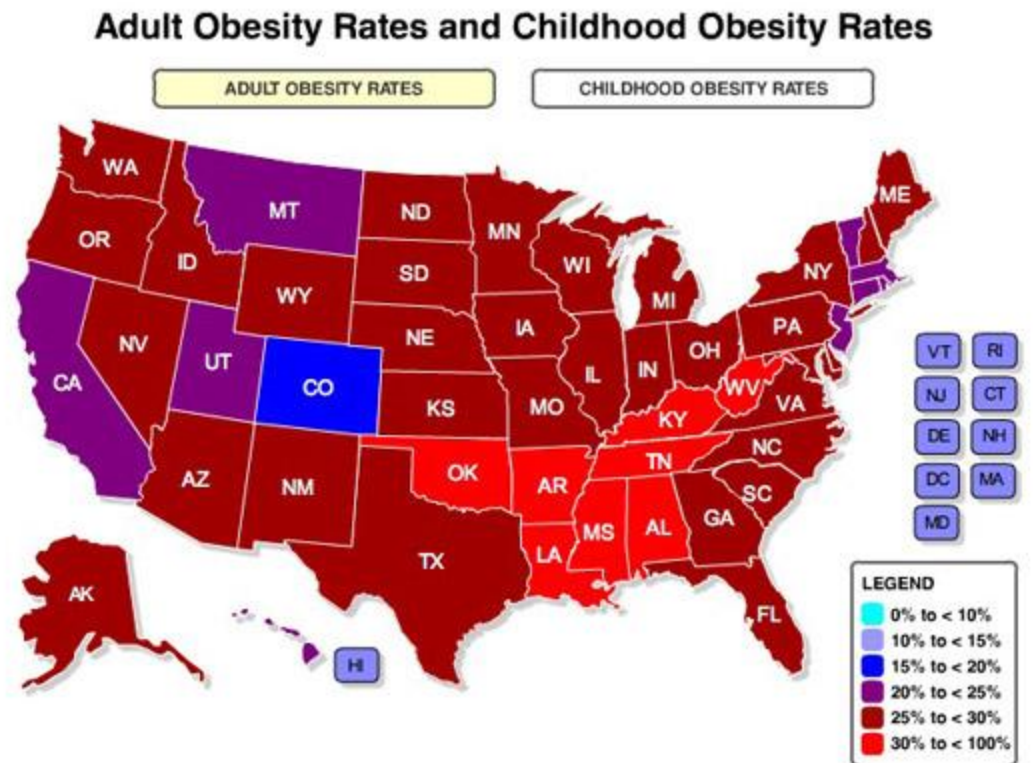


# Public Health Priorities

- **Overweight/Obesity**

- **Magnitude of the problem**

- More than one third of American adults are obese
    - An additional one third of American adults are overweight
    - These findings continue to get worse each year
    - As many as 40% of Alaska's children are overweight or obese
    - Rates of U. S. childhood overweight and obesity have tripled over the past four decades



# Public Health Priorities

## Impacts of complications of overweight/obesity

- JAMA 2003 , CDC Study
  - Estimated lifetime risk of diabetes for females born in 2000 is 38.5%
    - A female diagnosed with diabetes at age 40 loses 14.3 years of average life expectancy
    - Hispanic female lifetime risk is 52.5%
  - Estimated lifetime risk of diabetes for males born in 2000 is 32.8%
    - A male diagnosed with diabetes at age 40 loses 11.6 years of average life expectancy
    - Hispanic male lifetime risk is 45.4%





# Public Health Priorities

## Impacts of complications of overweight/obesity

- Direct medical spending in the U.S. in 2008 on the complications of obesity was \$147 Billion annually
- Direct medical spending in Alaska on the complications of obesity is \$477 Million annually



# Public Health Priorities

## Impacts of complications of overweight/obesity

- Obesity and inactivity cause 365,000 premature deaths a year in the U.S.
  - Diabetes causes 112,000 premature deaths a year in the U.S.
    - 2009 – 2010 H1N1 Influenza pandemic caused 1642 deaths in the U.S.
    - AIDS causes about 15,000 deaths a year in the U.S.



# Public Health Priorities

## Alaska's response – ATCO

- ATCO – Alaskan's Taking on Childhood Obesity
- Request for \$1.3 million general fund appropriation for FY 2012 budget year
- Target – Alaska's youth, preschool through high school
- Partnership involving DHSS and DEED reaching out to school districts and communities throughout the state



# Public Health Priorities

- **Tobacco Use**

- Adolescent Smoking rate (age 14-17) = 15.7%
  - Rated 7<sup>th</sup> among 42 states
  - Median US 18.2%
  - Alaska High-School smoking rate is significantly below the national average





# Public Health Priorities

- **Adult Alaskan Smokers**
  - Reported 18.8 %
    - Standard and Supplemental BRFSS survey
  - Declined 30% since 1996 (27.7% to 18.8%)
    - 8000 fewer tobacco-related deaths
    - \$300 million in averted health care costs



# Public Health Priorities

- CDC ranks Alaska #1 related to population on tobacco prevention and spending

State	Smoking Caused Health Costs 2004 (millions)	Cigarette Tax† (per pack)	Cigarette Tax Rank (1 = high)	FY 2011 Funding for State TC Programs (millions)	Tobacco Prevention Spending % of CDC Target	Tobacco Prevention Spending Rank‡ (1 = high)
All States	\$96 bill.	\$1.45	///	\$517.9	14.0%	-
Alaska	\$169	\$2.00	11th	\$9.8	92.0%	1



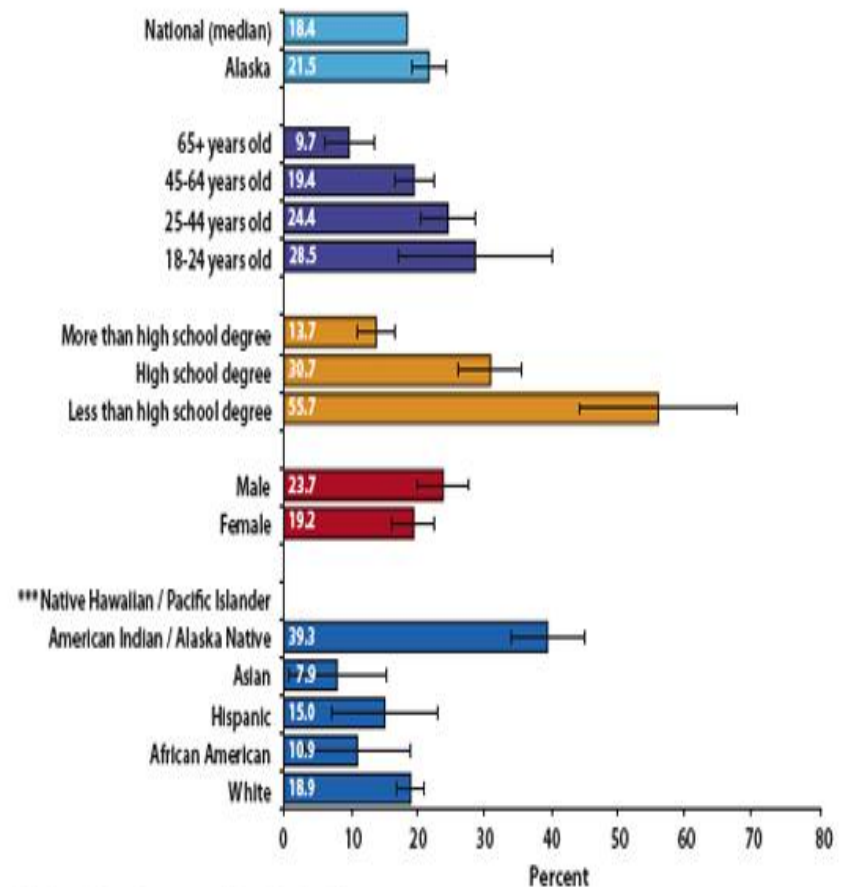
# Public Health Priorities

- **Adult Alaska Smokers**

- **Facts**

- 39.3% Alaska Natives are smokers  
(AK BRFSS 2009)
- We are ranked #31 among the 50 states
  - Utah 9.8%
  - California 12.9%
  - Puget Sound 12.5%

Current Smoking among Adults by Demographic Characteristics



\*\*\* Data not shown because sample size is less than 50.

Source: BRFSS, 2007-2008

# Public Health Priorities

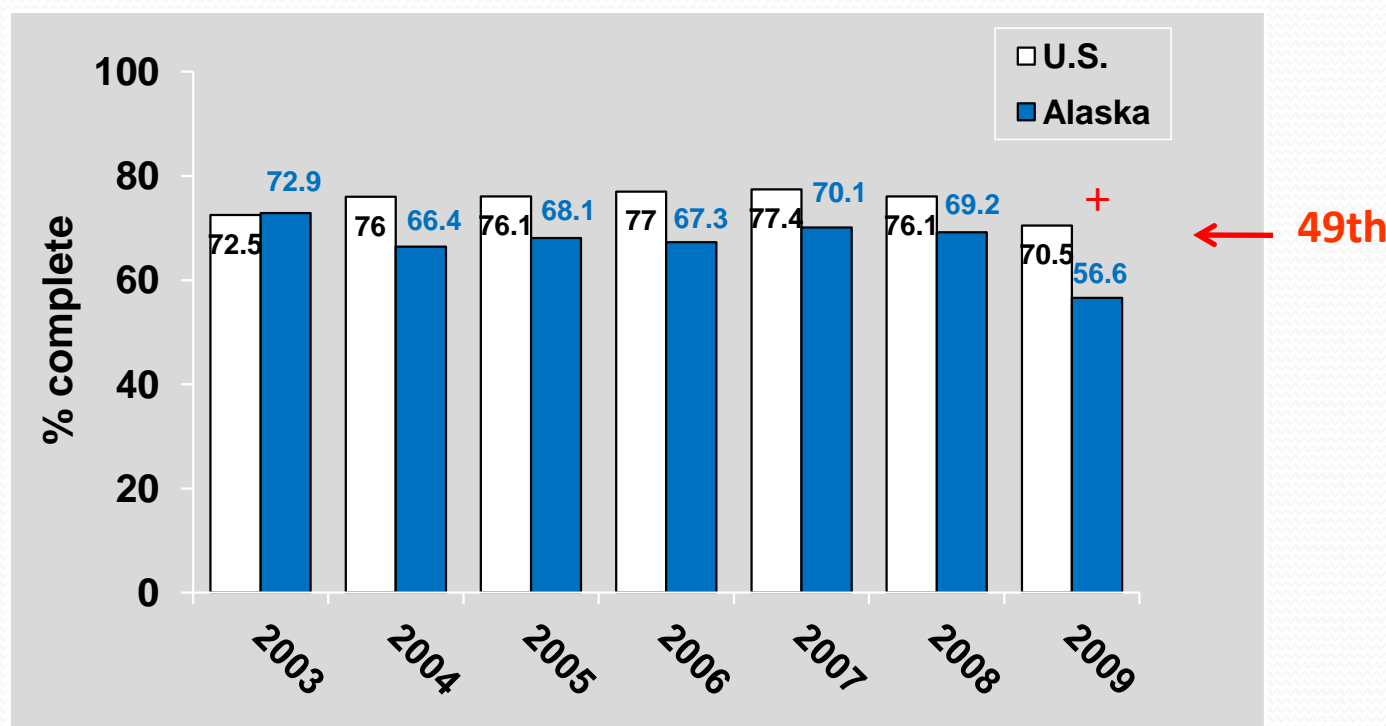
- Immunizations
  - Seasonal flu vaccination rates for those 65 years and older
    - Rates best in USA for 2009 -2010 seasonal flu immunization
      - CDC collected data from Oct 2009 – Feb 2010 from:
        - *Behavioral Risk Factor Surveillance System* (BRFSS)
        - *National 2009 H1N1 Flu Survey* (included question for adults re: whether had also been vaccinated for seasonal flu)
      - Estimated seasonal coverage for all persons aged  $\geq 65$  years
        - U.S. – 68.0%
        - AK – 81.6%
    - **AK = highest rate in U.S.**





# Public Health Priorities

4/3/1/3/3/1\* Immunization Completion Rates, U.S. & Alaska, National Immunization Survey, 2003-2009

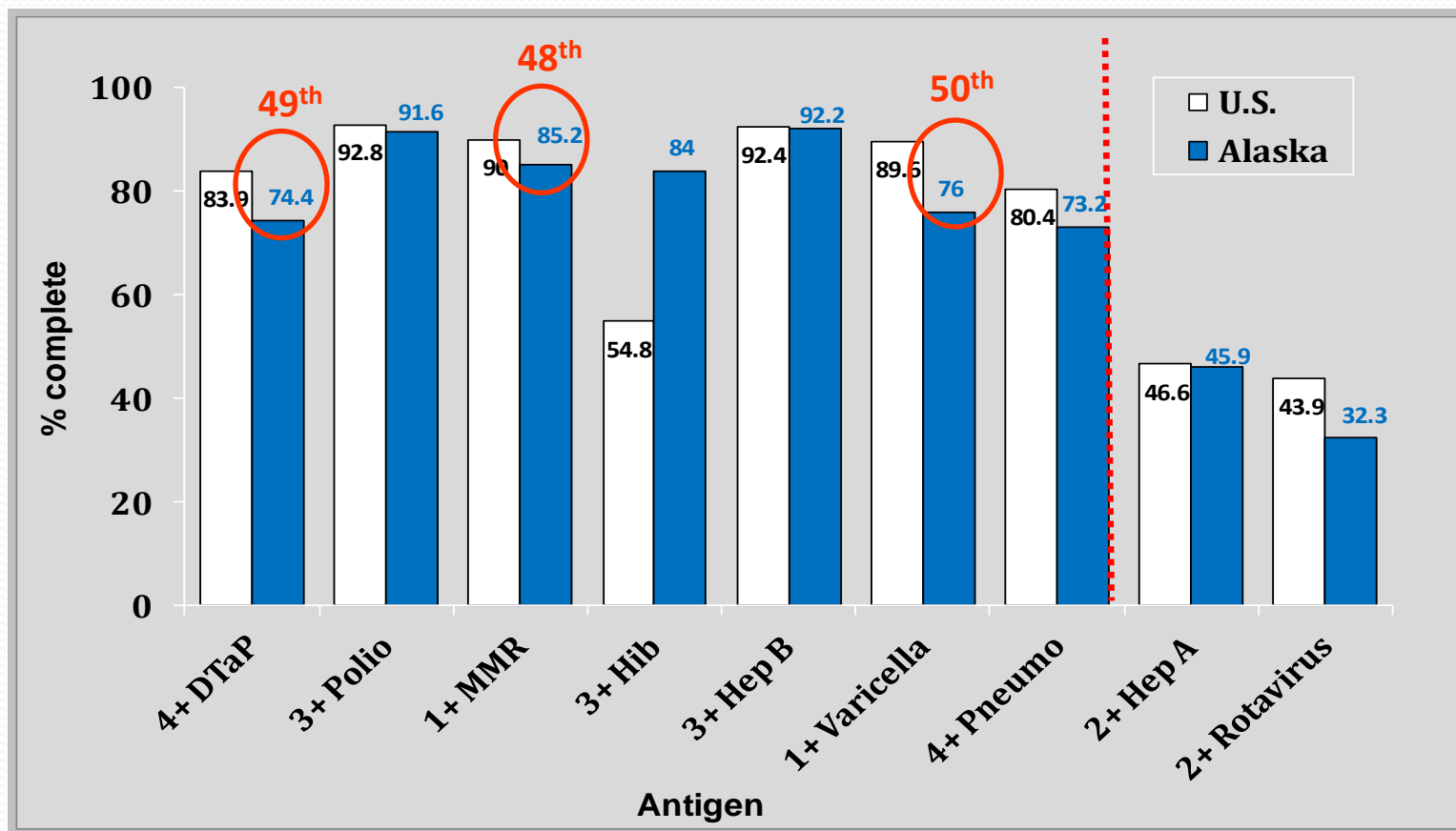


\* 4/3/1/3/3/1 – 4 DTaP/ 3 polio/ 1 MMR/ 3 Hib/ 3 Hep B/ 1 Varicella

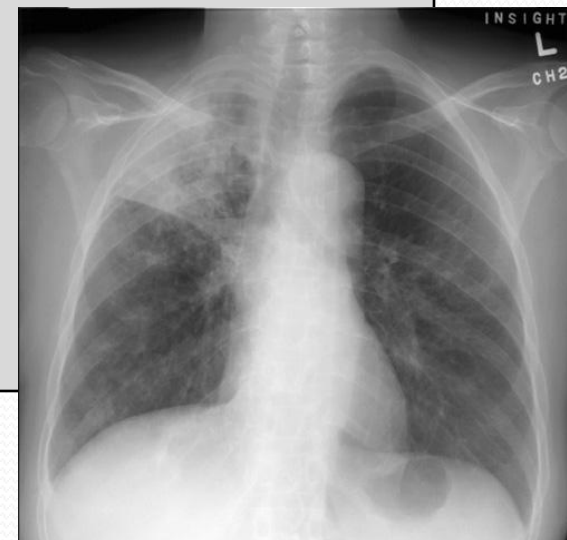
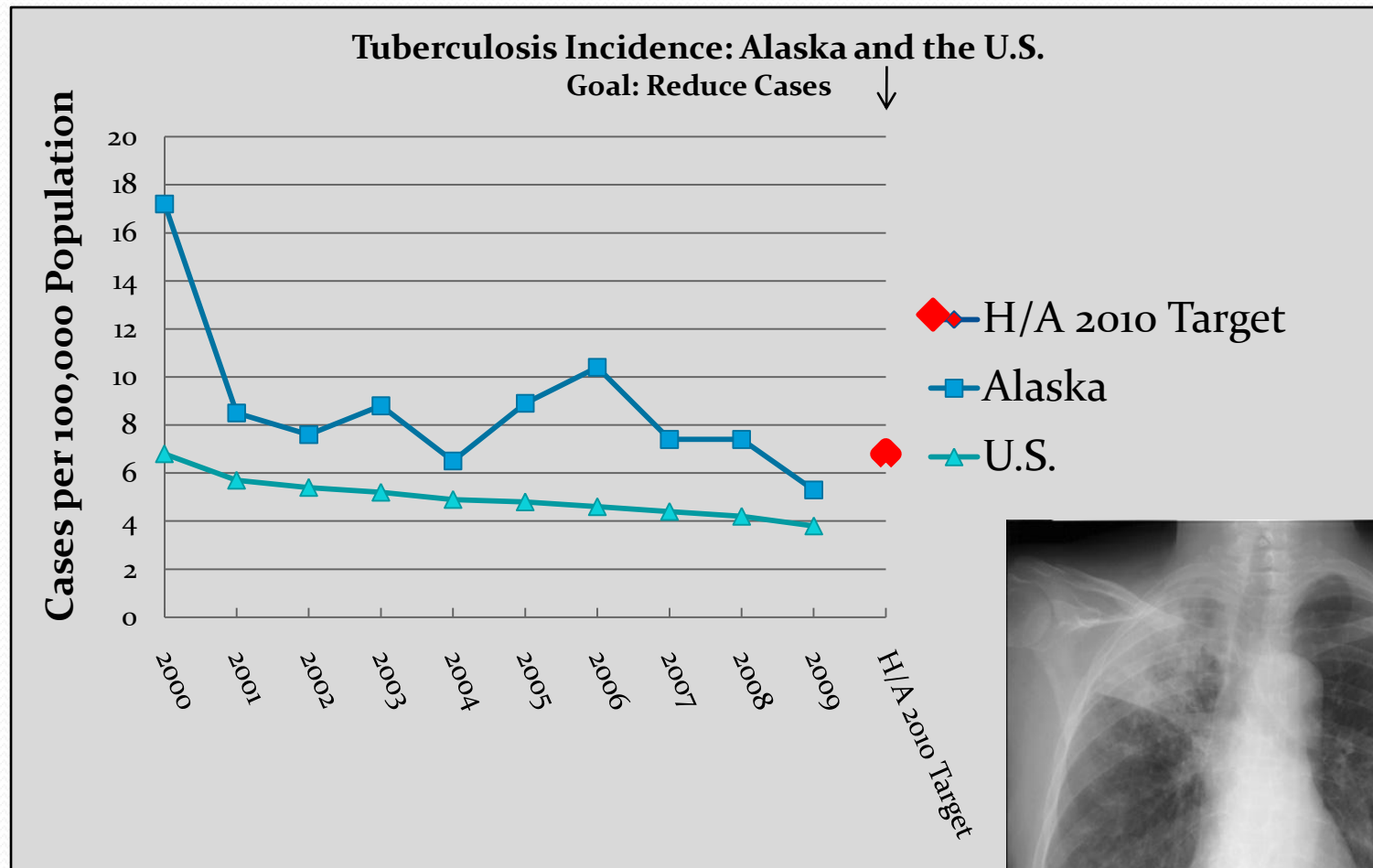
+ 4/3/1/0/3/1/4 – 2009 assessment ADDS pneumococcal vaccine (“4”) & EXCLUDES Hib (“0”) (vaccine shortage negatively impacted national coverage for Hib)

# Public Health Priorities

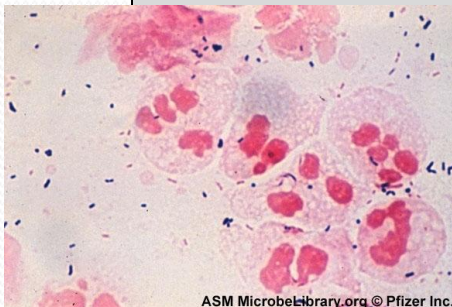
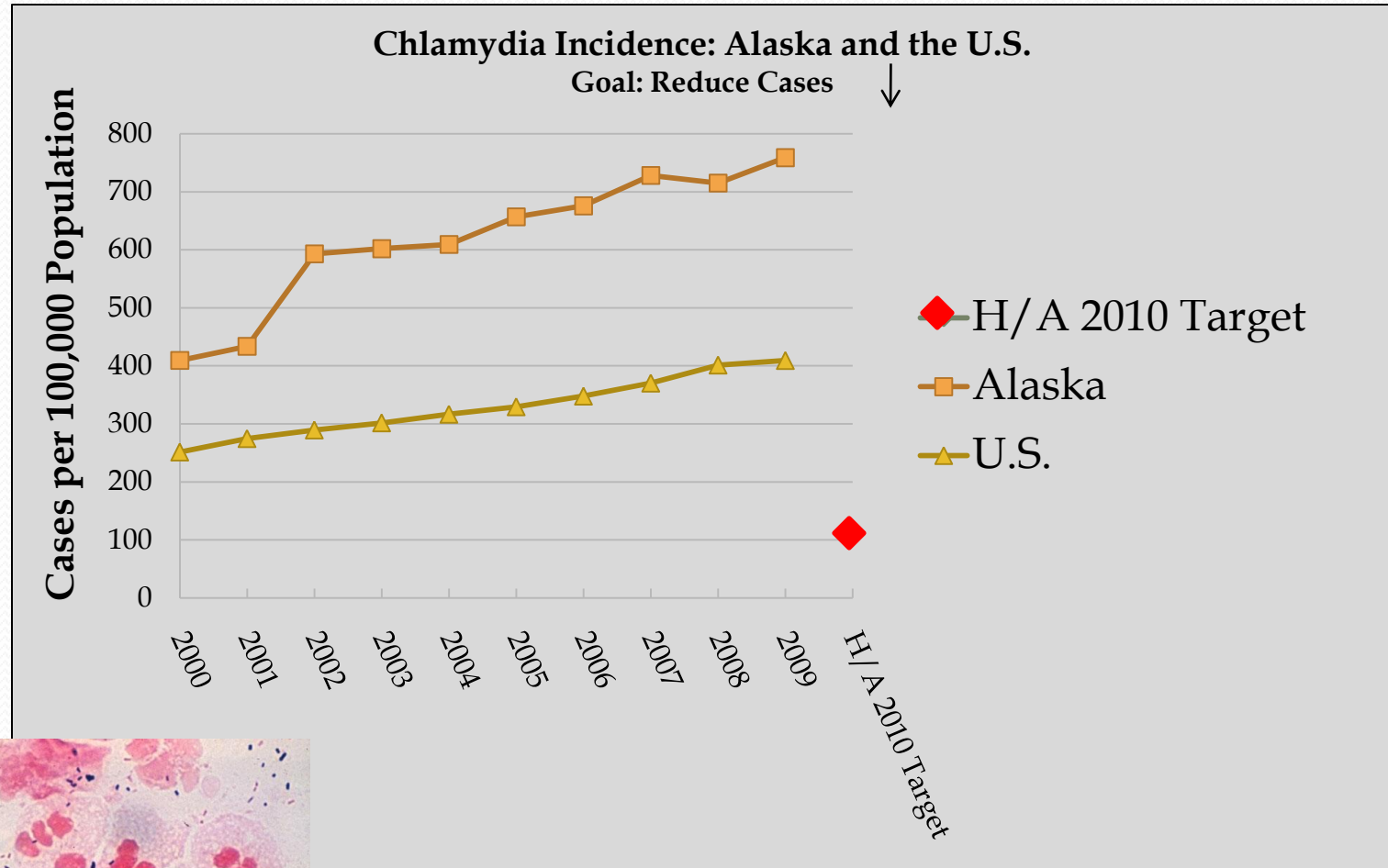
Estimated Vaccine Coverage for Individual Antigens among Children  
Aged 19 – 35 Months,  
National Immunization Survey, U.S. & Alaska, 2009



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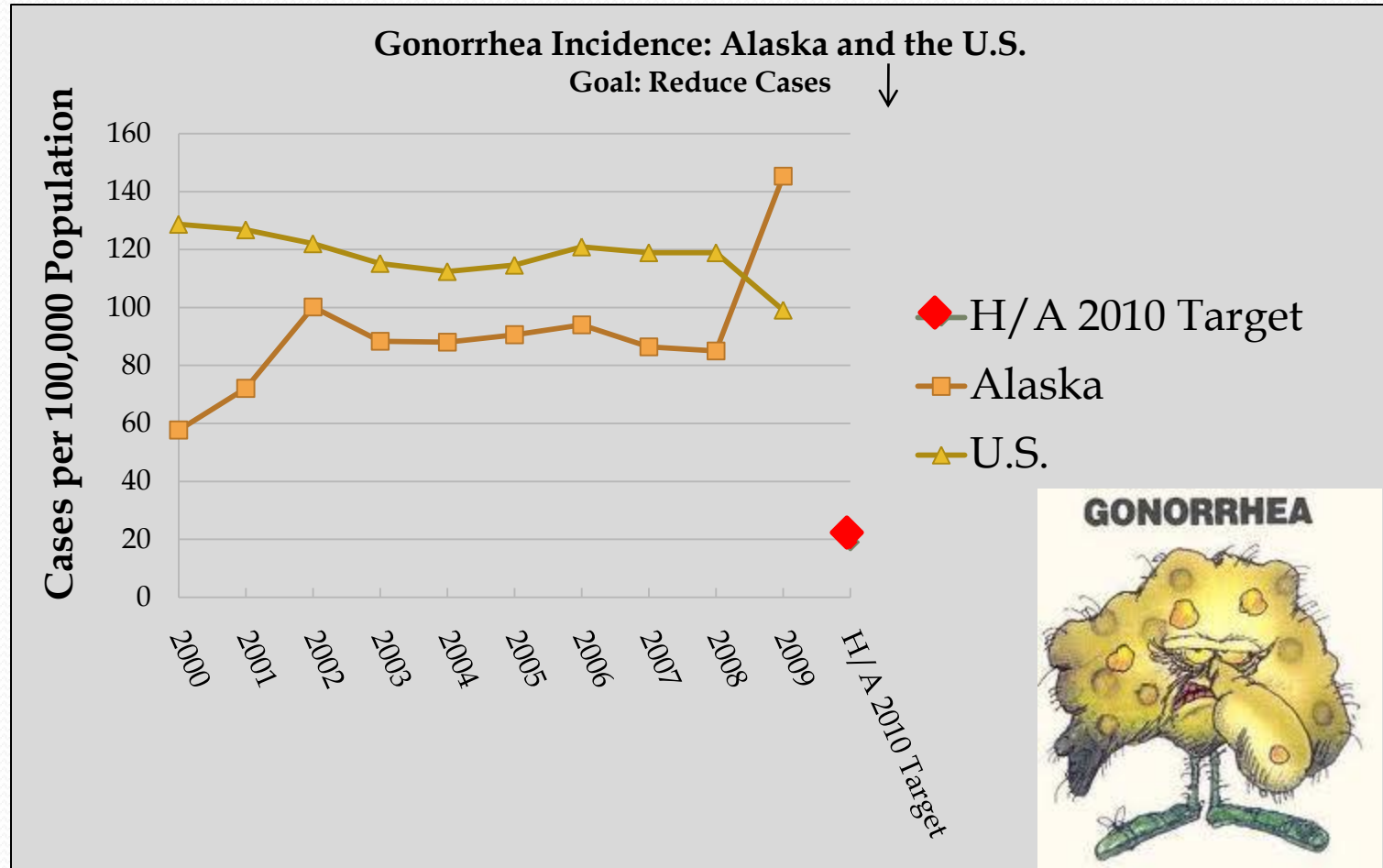


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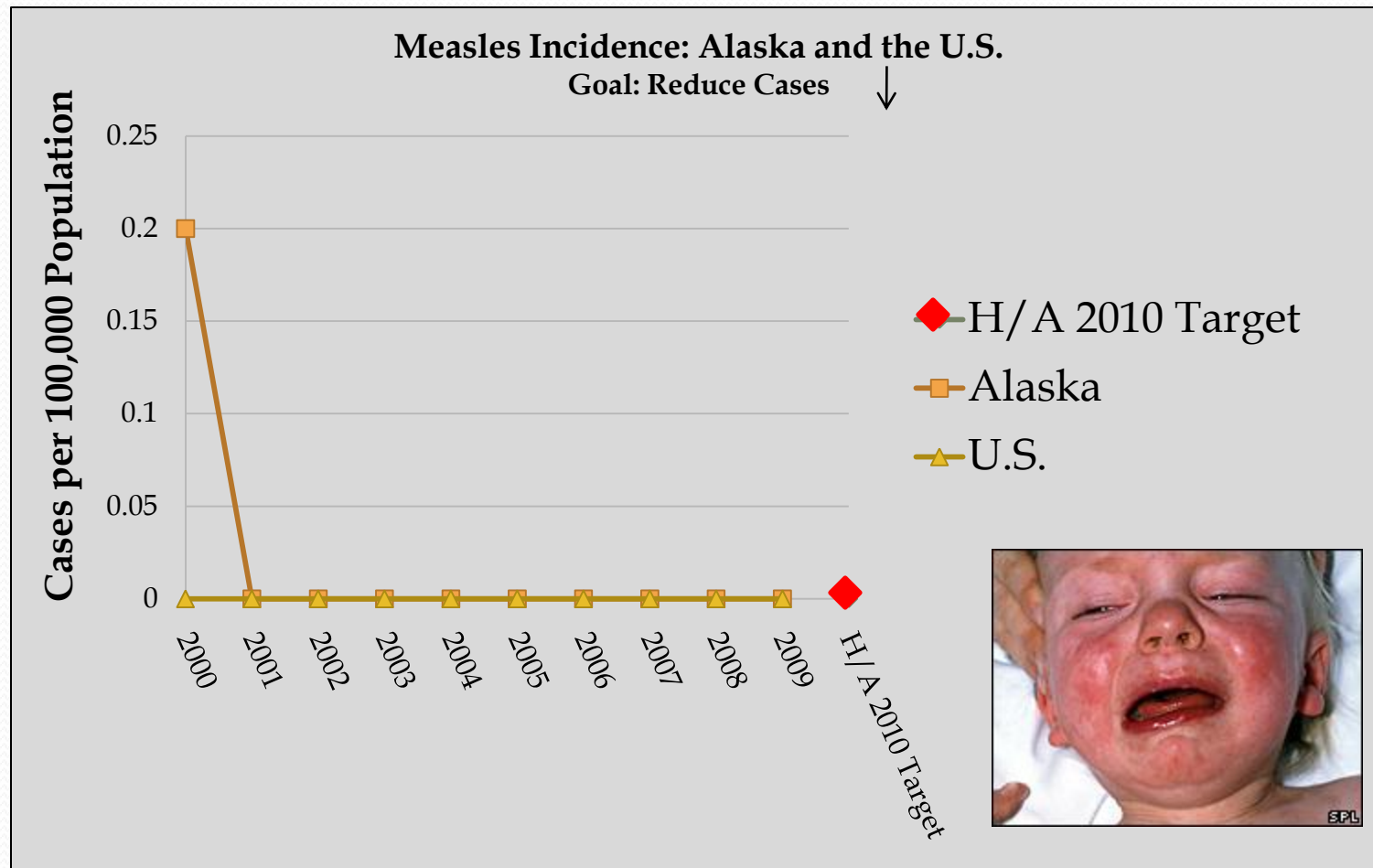




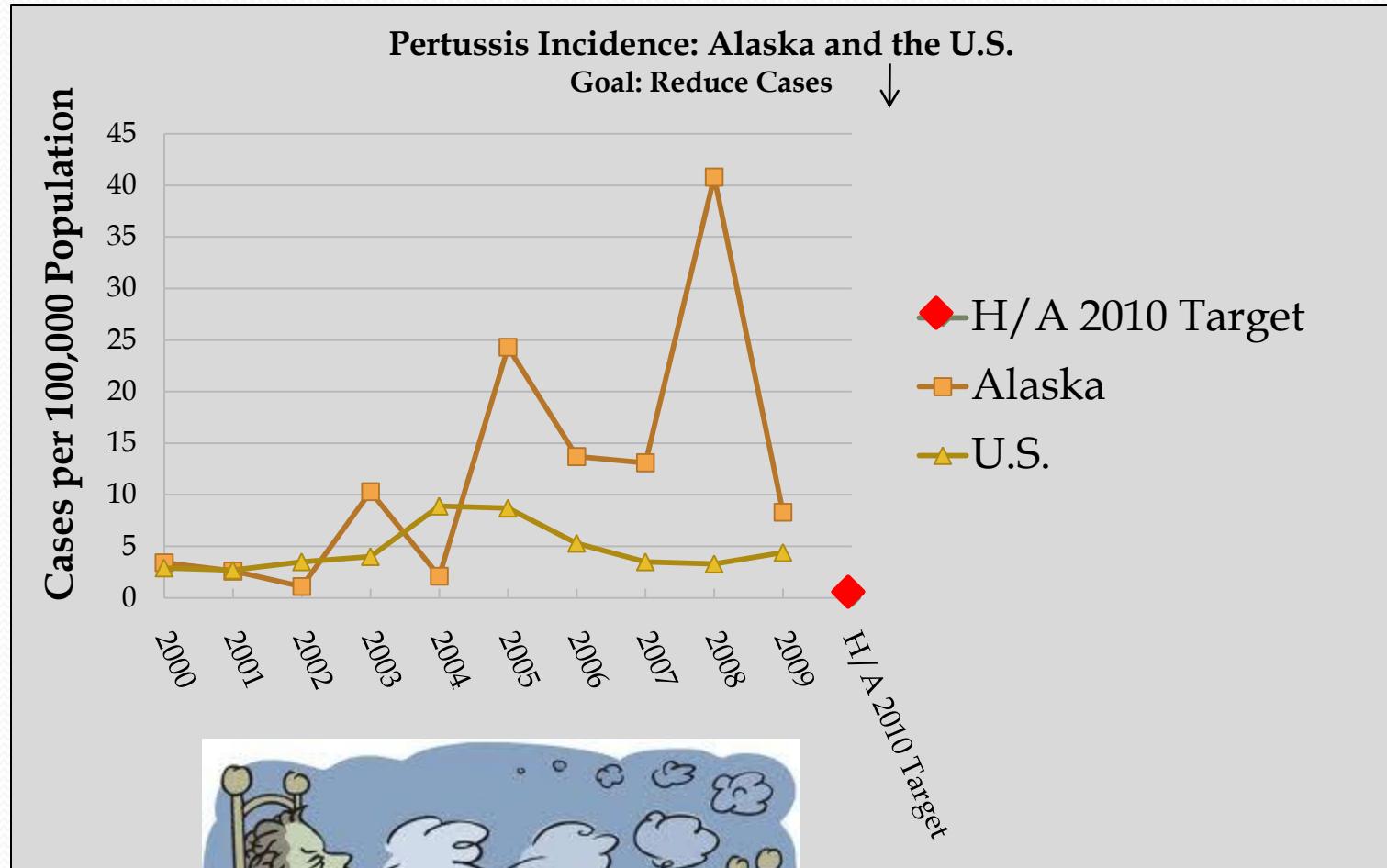
# Public Health Priorities



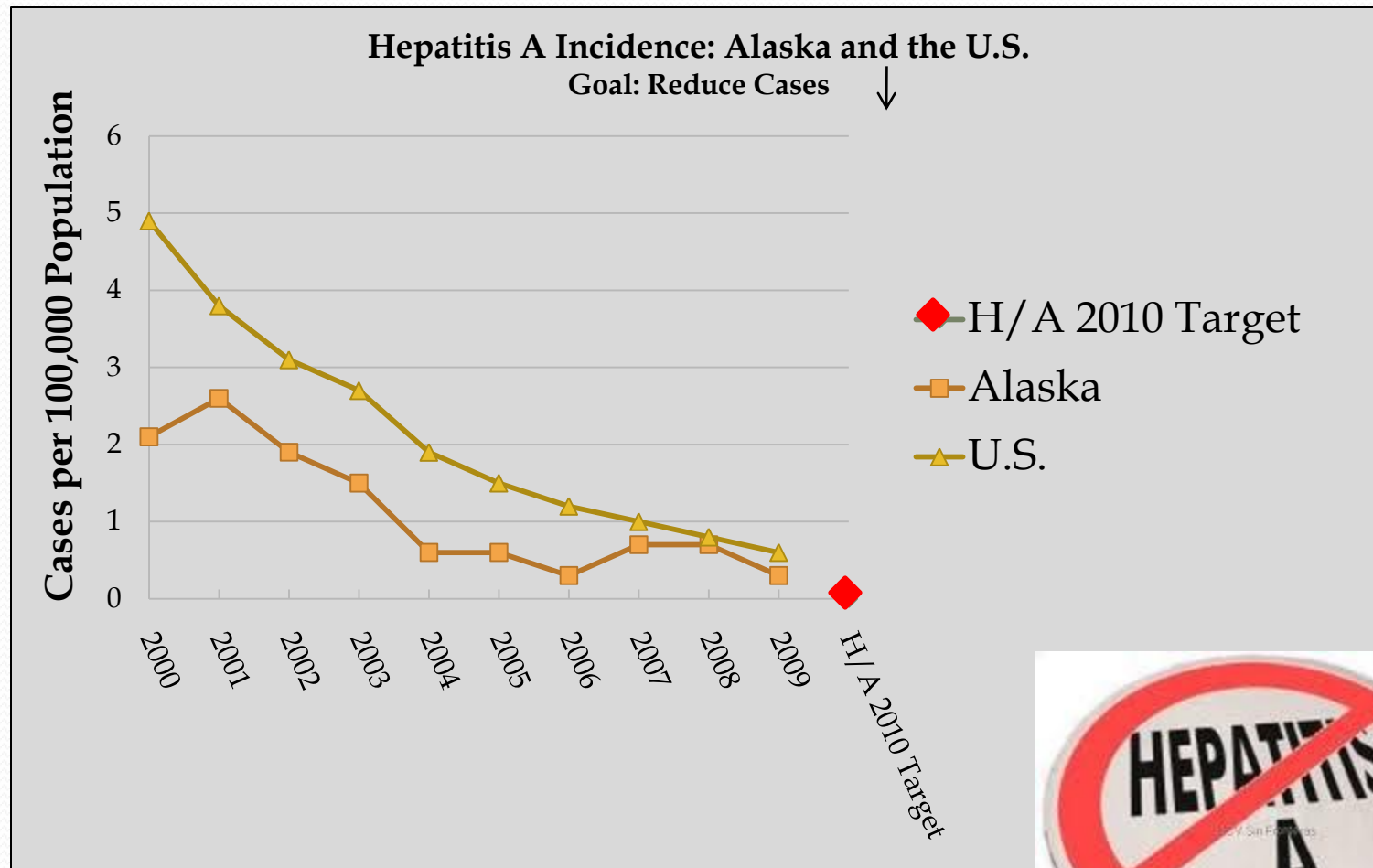
# Public Health Priorities



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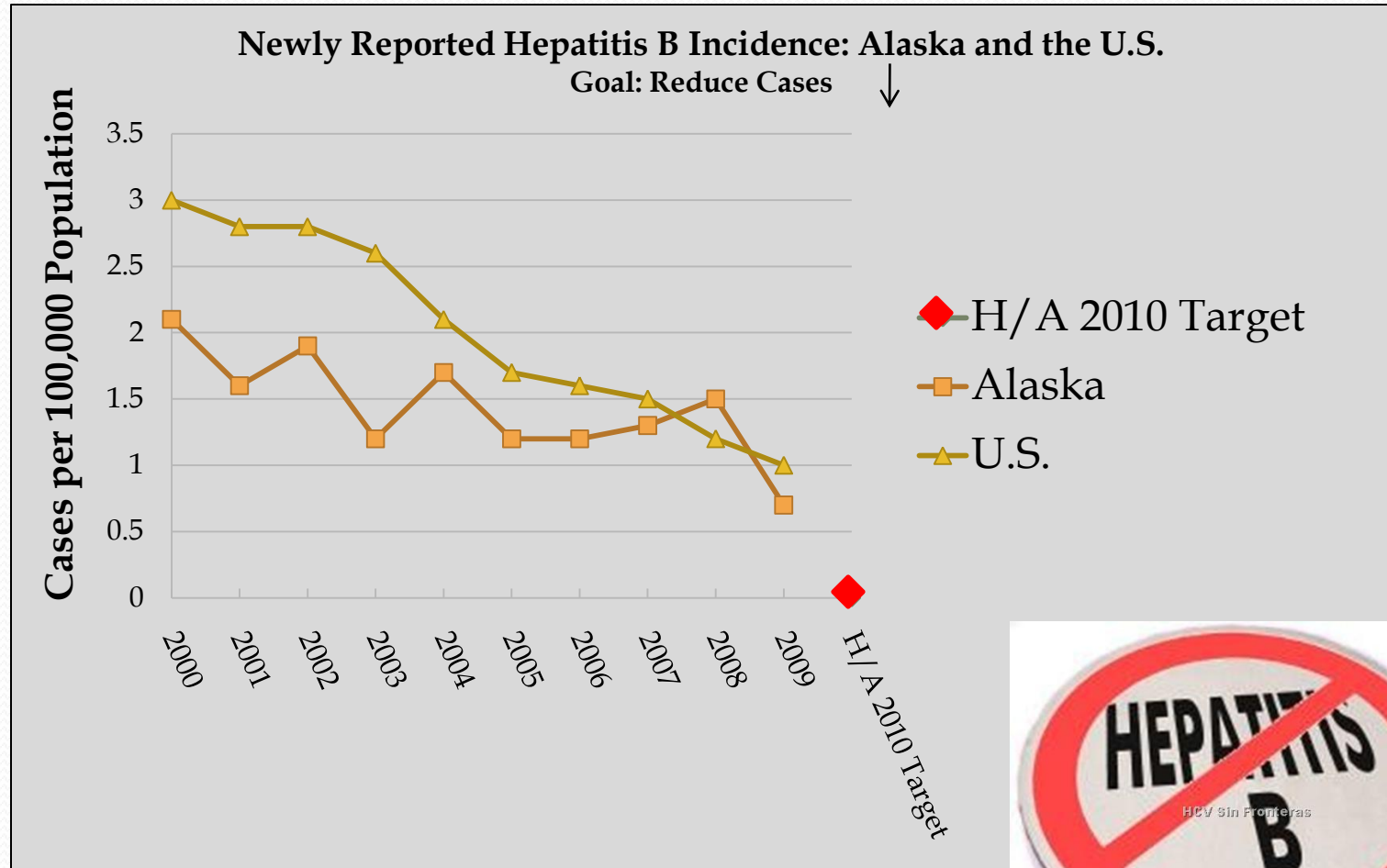


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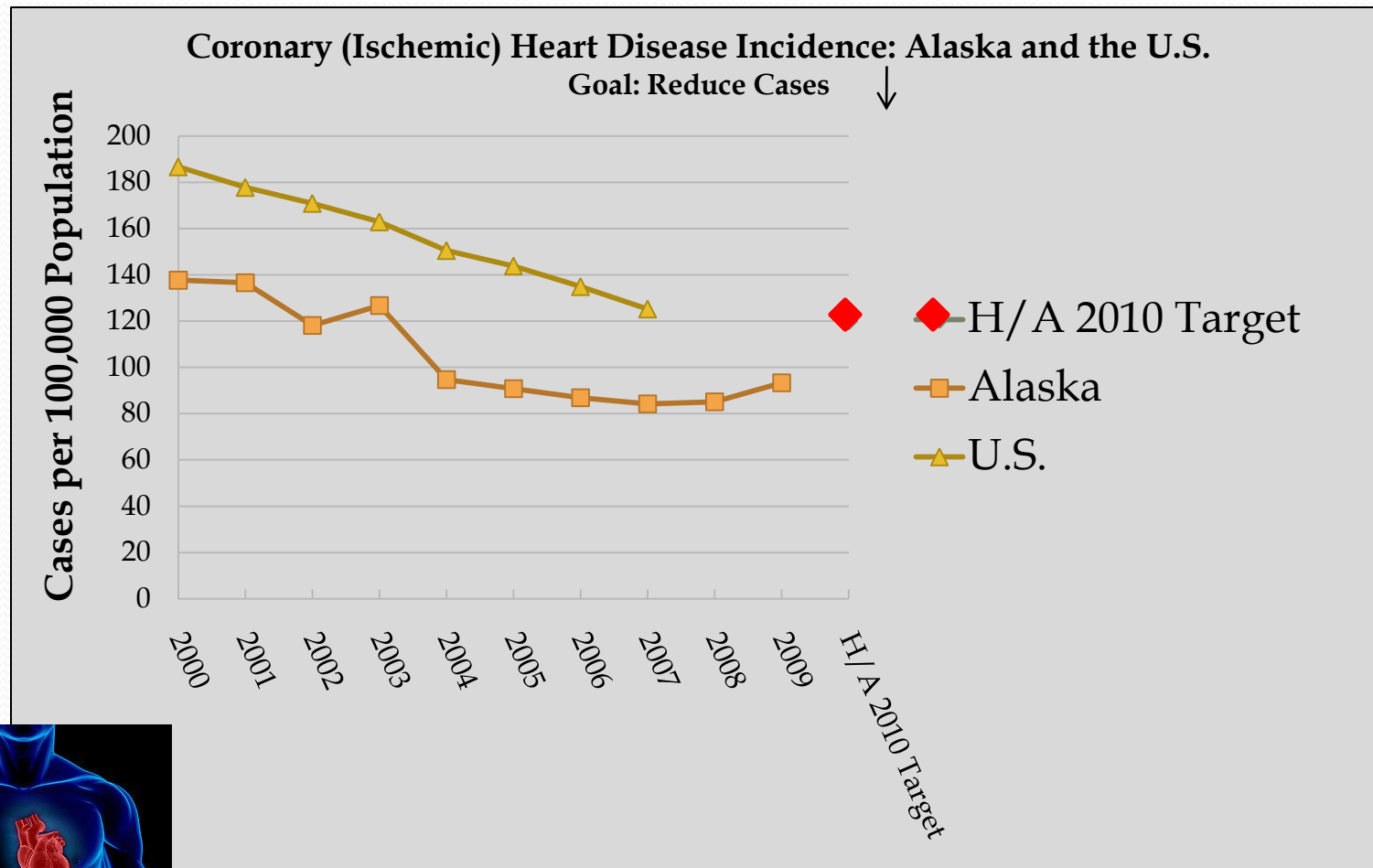




# Public Health Priorities



# Public Health Priorities



# Public Health Priorities

## Motor Vehicle Injury Prevention

**Enforcement**

**Education**

**Engineering**

**Legislative**



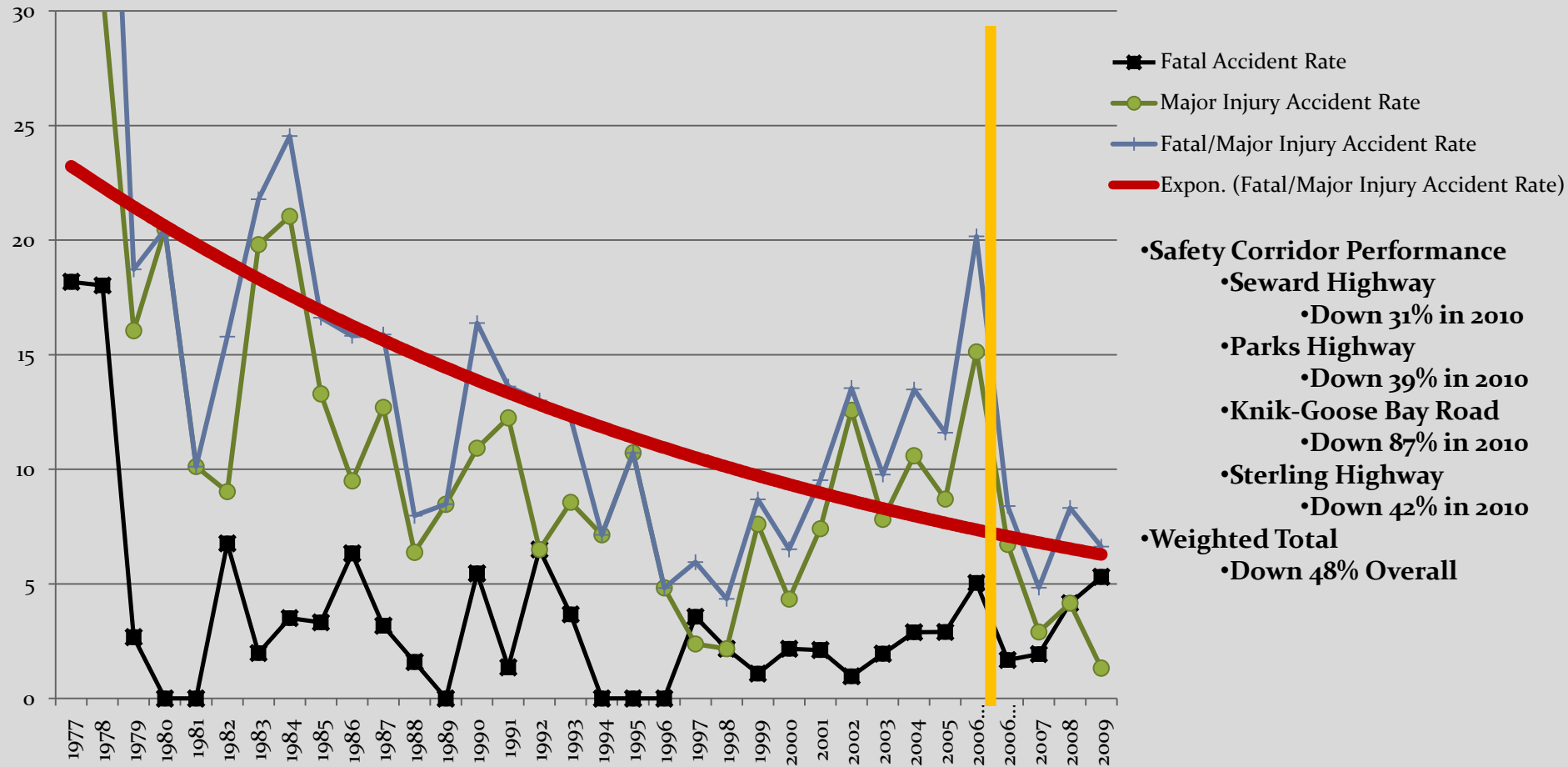
**Highway  
Vehicles**

**ATVs**

**Snowmobiles**



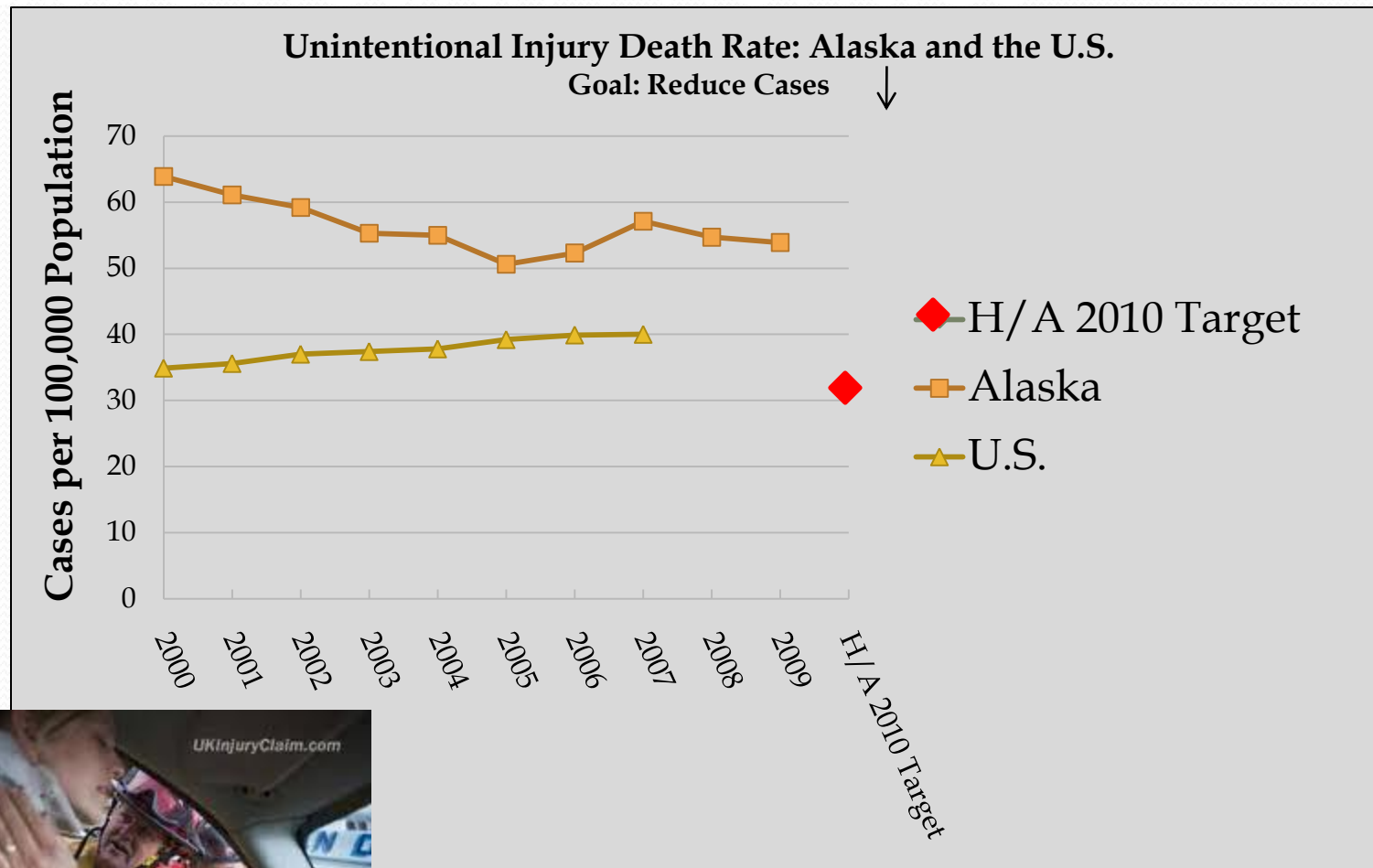
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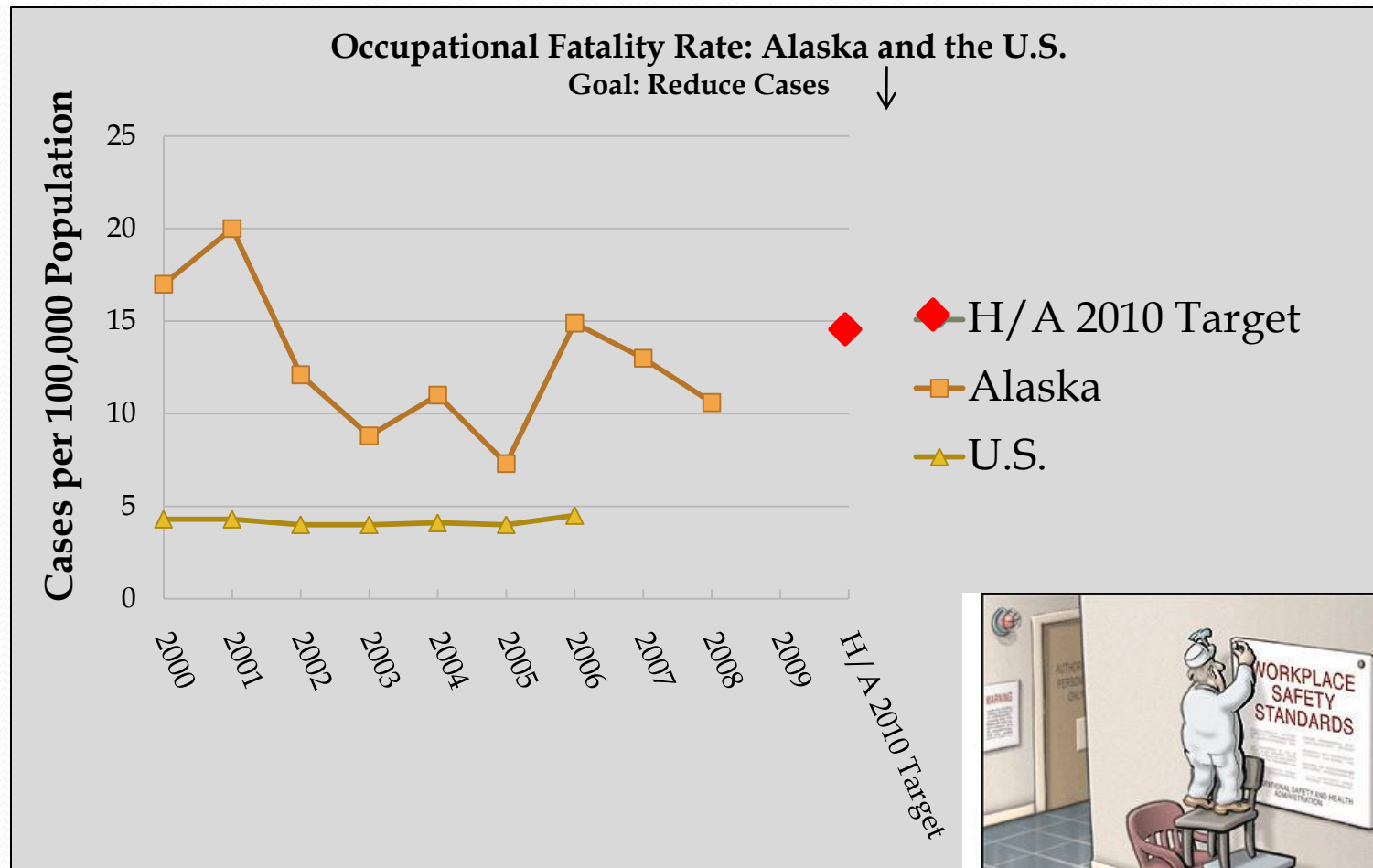
**Seward Highway Traffic Safety Corridor Fatal  
& Major Injury Crashes: 1977-2009**



# Public Health Priorities



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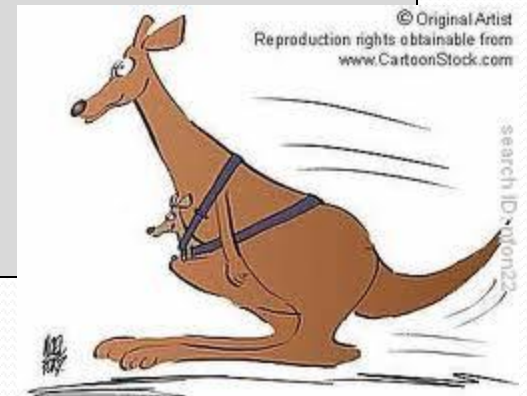
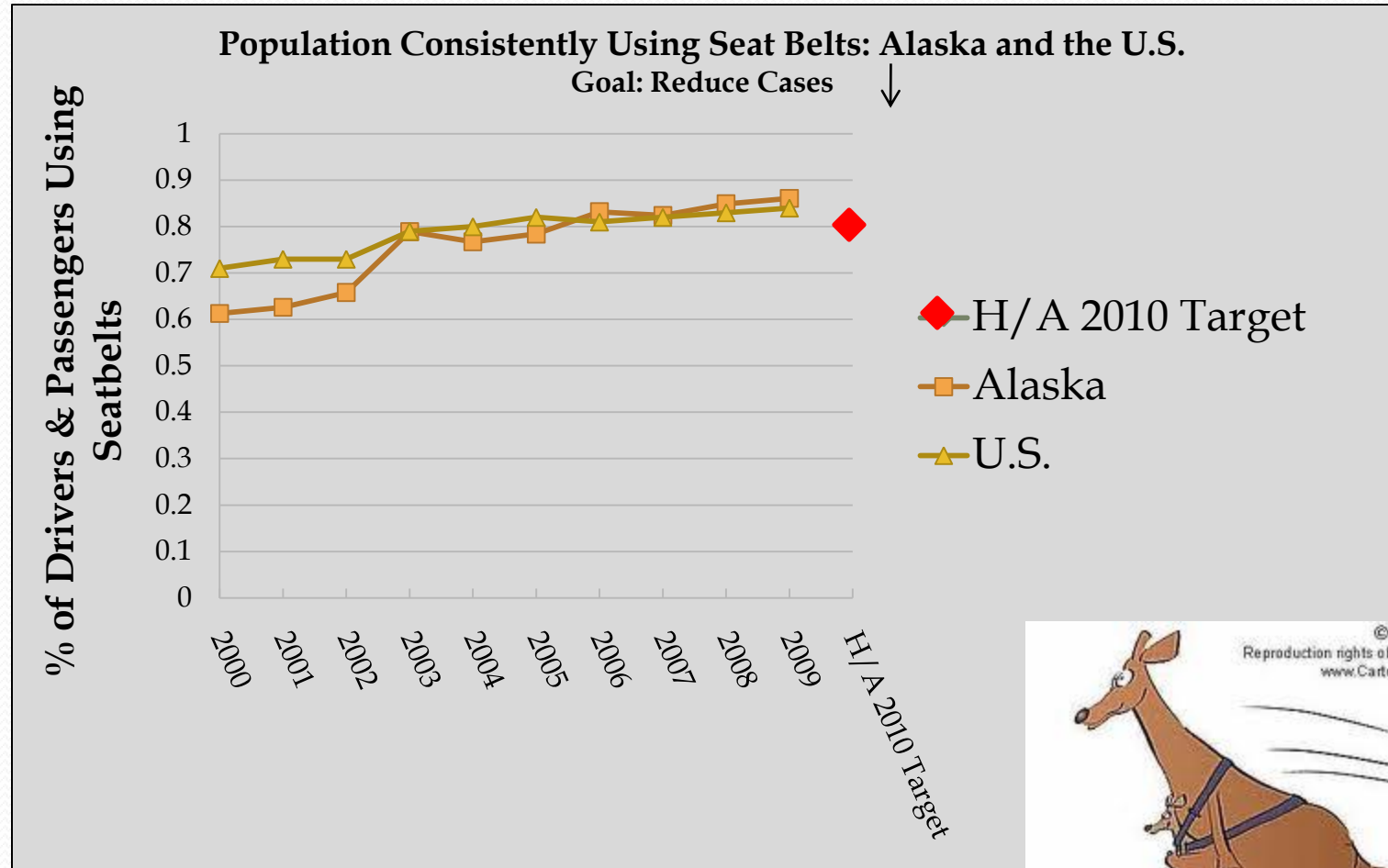


# Public Health Priorities

- Seat Belt Law – Primary May, 2006
  - Use rose 29% between 2002-2008
    - Anchorage – 90.2%
- Revised Seat Belt Law
  - Effective September 2009
  - Children under age 8 must be restrained in a booster or car seat
- 54% more children safely restrained



# Public Health Priorities



# *THANK YOU!!!!*

Dr. Ward B. Hurlburt, M.D., MPH

